

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph starting at page 7, line 23, with the following rewritten paragraph:

FIG. 6A shows a generalized sensor lead 12 according to an embodiment of the present invention. At the center of the sensor lead 12 may be a core 60. The core 60 may be a material such as, for example, polyester or other material, or a commercially available material such as, for example, DACRON[®] ~~OR~~or KEVLAR[®] (trademarks of du Pont de Nemours and Company), that provides shock absorption and strength to the sensor lead 12. According to one embodiment of the present invention, a polyester core may provide as much as 18-20 lbs. of tensile strength to the sensor lead 20. In addition, the core 60 limits sensor lead 12 elongation. Thus, if the sensing apparatus 10 has been implanted into a vein in a human body, a doctor or other medical professional who needs to remove the sensing apparatus 10 from the vein may pull on the sensor lead 12 without fear of excessively stretching it or breaking it. Various factors may influence the size of the core 60 and the material used for the core 60 such as, for example, the overall diameter, device stiffness, and sensor lead 12 attachment scheme.